

N^o 5267



A.D. 1896

Date of Application, 9th Mar., 1896

Complete Specification Left, 9th Dec., 1896—Accepted, 9th Mar., 1897

PROVISIONAL SPECIFICATION.

**Splint or Fracture Box with Cradle Combined,—An Apparatus
Designed to Secure the Efficient Treatment of Fractures of
the Leg and Foot without Bandages.**

I, THOMAS GEORGE LIGHT of 225 High Road Kilburn in the County of London Gentleman, do hereby declare the nature of this invention to be as follows:—

5 The apparatus consists of a back splint so constructed that a moveable foot-piece can be fixed at varying distances and so adapted to legs of various lengths at the opposite end a hinged foot permits of that end being raised if desired.

10 The side splints are connected with screws which travel in grooves at either end of the back splint and can be fixed at any point desired and adjusted to the different diameters of the leg. They are further secured by diagonal crossbars.

A rectangular rod passes from either side of the back splint to the footpiece and forms a cradle.

Dated this 6th day of March 1896.

THOS. GEO. LIGHT.

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COMPLETE SPECIFICATION.

**Splint or Fracture Box with Cradle Combined,—An Apparatus
Designed to Secure the Efficient Treatment of Fractures of
the Leg and Foot without Bandages.**

20 I, THOMAS GEORGE LIGHT of 225, High Road Kilburn in the County of London, Gentleman, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

25 This invention relates to an improved splint or fracture box and my invention consists in a fracture box constructed substantially as hereinafter described and especially adapted to be employed for fractures of the leg or foot.

The annexed drawing illustrates my invention in perspective.

30 In carrying out my invention I employ a back splint A adapted to receive in apertures *a* the under pins of a foot piece B so that said foot piece may be adjusted to suit legs of any length and the upper end of said foot piece may be adjusted—so as to alter the angle of inclination relatively to the back splint A—by means of adjustable ties C, the under pins of said foot piece fitting loosely in their apertures so as to allow for this adjustment.

The rest A is also provided or formed with transverse grooves or slots in which side splints D may be clamped to any desired necessary distance apart so as to suit

[Price 8d.]

Light's Splint or Fracture Box with Cradle Combined.

any thickness of leg and also in order that said side splints may be fixed further apart or closer together as the swelling of the leg increases or diminishes, and for the purposes of enabling said side splints to be adjusted endwise, they are provided with slotted lugs *d* through which the clamping screws pass about as shown. The tops of the side splints are clamped together by means of adjustable tie bars *E*. 5

If desired the back splint *A* is provided with a preferably hinged foot *F* so that that end of the back splint *A* may be supported in a raised position and I provide my improved splint or fracture box with a cradle *G* which keeps off the pressure of the bedclothes.

Some of the advantages appertaining to my improved splint or fracture box are 10 that the limb is exposed to view during the entire course of treatment, that any displacement can be at once rectified and the occurrence of gangrene, venous or arterial stasis, sloughs, inflammatory fibrosis of muscles and other dangers avoided.

I do not confine myself to any particular construction of the different parts 15 constituting my invention and all the splints and rests are preferably provided with detachable pads or cushions and the necessary straps and other fittings.

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is:— 20

1. A splint or fracture box having adjustable side splints for the purposes and substantially as described and illustrated.

2. The combination in a splint or fracture box of a back rest *A* having adjustable side splints *D* and adjustable foot piece *B* and foot *F* all for the purposes and substantially as described and illustrated. 25

3. In a splint or fracture box, a frame or cradle for the purposes and substantially as described and illustrated.

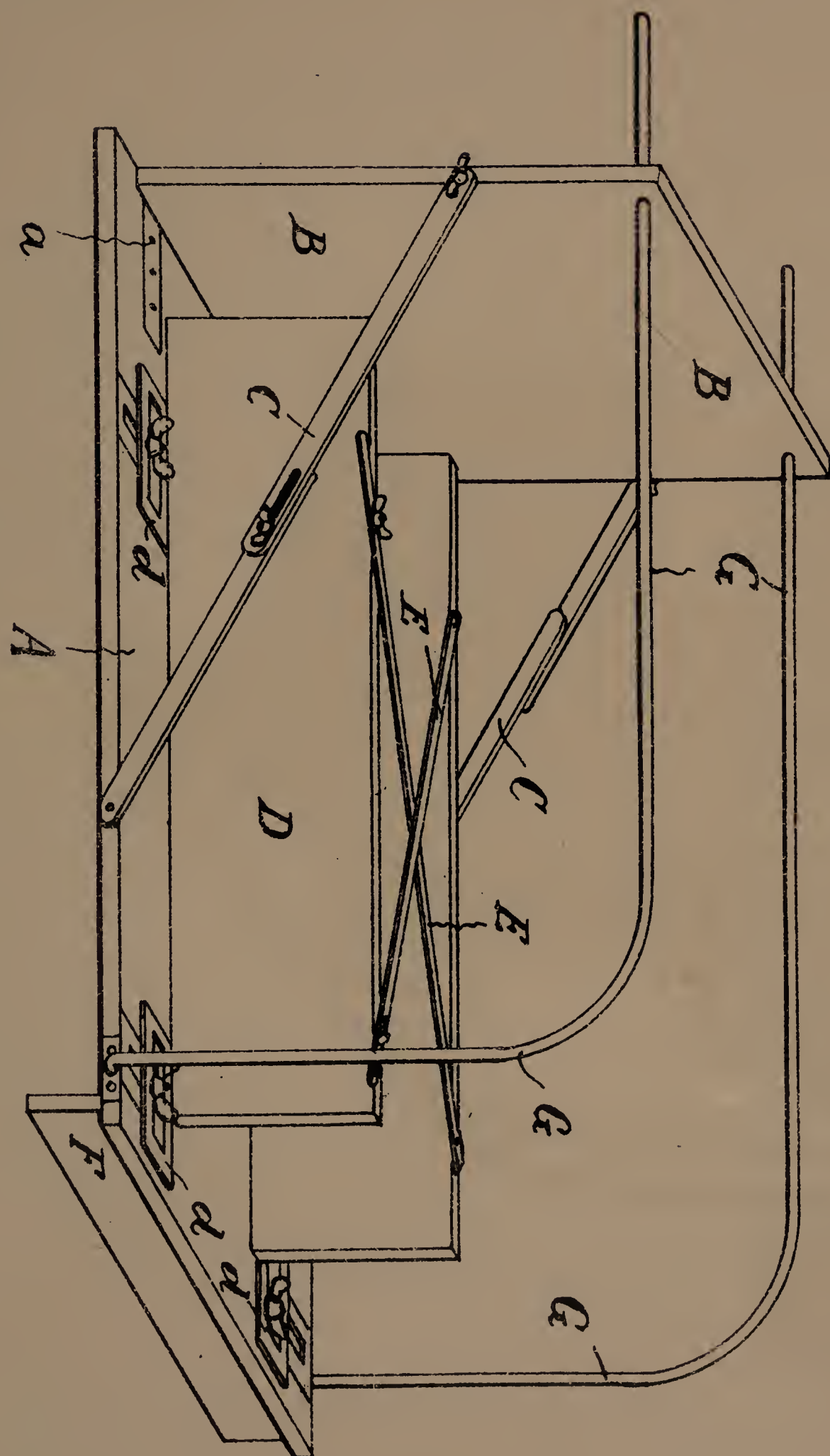
Dated this 9th day of December 1896.

THOMAS GEORGE LIGHT,

By his Agents, Horn, Son & Co.,
151, Strand (next to Somerset House), London. 30

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[This Drawing is a reproduction of the Original on a reduced scale.]

